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2			
3			
4			
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(See inside cover)

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Warning Notice
 Intelligence Sources and Methods Involved
NATIONAL SECURITY INFORMATION
 Unauthorized Disclosure Subject to Criminal Sanctions


140

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DISSEMINATION CONTROL ABBREVIATIONS

NOFORN-	Not Releasable to Foreign Nationals
NOCONTRACT-	Not Releasable to Contractors or Contractor/Consultants
PROPIN-	Caution-Proprietary Information Involved
ORCON-	Dissemination and Extraction of Information Controlled by Originator
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NPIC/IEG (08/83)
18 AUGUST 1983

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CZECHOSLOVAKIAN-BUILT RAMONA M ELINT SYSTEM
TRANSCAUCASUS MILITARY DISTRICT, USSR (SWN)

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1. **SIGNIFICANCE:** THIS IS THE SECOND OPERATIONAL DEPLOYMENT OF THE RAMONA M ELINT SYSTEM IN THE SOVIET UNION. (SWN)
2. **REMARKS:** THREE ANTENNA STATIONS/TERMINALS COMPRISE THE RAMONA M SYSTEM. HOWEVER, ONLY THE CENTER STATION AND ONE FLANK STATION WERE IDENTIFIED. THE CENTER STATION WAS AT SUKHUMI SIGINT FACILITY ON [] AND ONE FLANK STATION WAS AT GUDAUTA SIGINT FACILITY ON [] GUDAUTA IS 17.8 NM NORTHWEST OF SUKHUMI. BOTH FACILITIES WERE IMAGED IN FEBRUARY, BUT AT THAT TIME, NEITHER HAD THE RAMONA M ANTENNA. THE OTHER FLANK STATION IS PROBABLY SOUTHEAST OF SUKHUMI, BUT ITS LOCATION HAS NOT BEEN IDENTIFIED. (SWN)

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THE RAMONA M IS A MOBILE VERSION OF THE RAMONA AND CONSISTS OF A [] SPHERE ON A 30-METER MAST AND SUPPORT VANS FOR EACH STATION -- SIX SUPPORT VANS WITH THE CENTER STATION AND THREE SUPPORT VANS WITH EACH OF THE FLANK STATIONS (ONLY TWO SUPPORT VANS WERE OBSERVED AT GUDAUTA). THE RAMONA M IS A COMPUTER-CONTROLLED INTERCEPT SYSTEM USED TO LOCATE AIRBORNE RADARS AND TO IDENTIFY THE INTERCEPTED RADAR BY TYPE. THE RAMONA SYSTEM USES TIME-OF-ARRIVAL EMITTER LOCATING PRINCIPLES WITH THREE INTERCEPT STATIONS/TERMINALS. THE TWO INTERCEPT SIGNAL STREAMS FROM THE FLANK STATIONS ARE SENT TO THE CENTER STATION WHERE COMPUTER AND ASSOCIATED EQUIPMENT SORTS OUT THE INDIVIDUAL SIGNALS, MEASURES THE DELAY TO EACH INTERCEPT SITE, AND CALCULATES THE LOCATION OF THE INTERCEPTED EMITTER. THIS SYSTEM CAN REPORTEDLY ACQUIRE, IDENTIFY, AND LOCATE 10 TO 20 TARGETS PER MINUTE. (SWN)

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NPIC/IEG (08/83)
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THE ONLY OTHER IDENTIFIED DEPLOYMENTS OF THE RAMONA M IN THE SOVIET UNION WERE IN THE ODESSA MILITARY DISTRICT ON [REDACTED] AND THE FAR EAST MILITARY DISTRICT ON [REDACTED]. ADDITIONALLY, A RAMONA M TERMINAL, PROBABLY BEING USED FOR TROOP TESTING/TRAINING, WAS IDENTIFIED AT A SCHOOL FOR SIGINT OFFICERS IN THE MOSCOW MILITARY DISTRICT IN MAY 1981. THE RAMONA M SYSTEM [REDACTED] AND CZECHOSLOVAKIA. (SWN) [REDACTED]

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3. [REDACTED] COORDINATES 42-59-40N 040-57-45E (S)
COORDINATES 43-05-45N 040-36-40E (S)

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